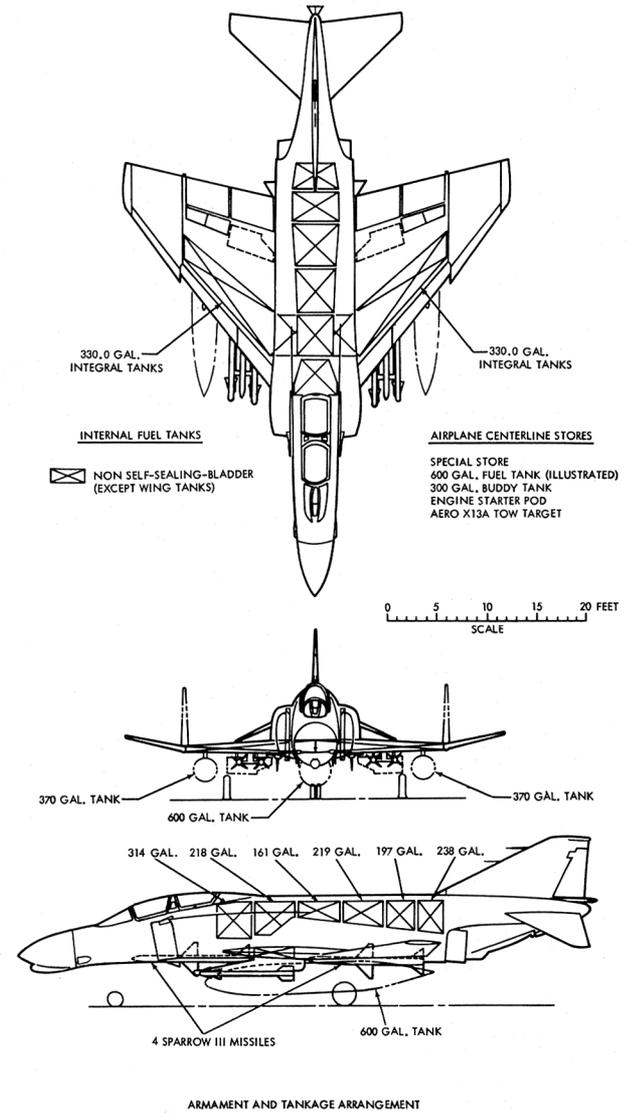
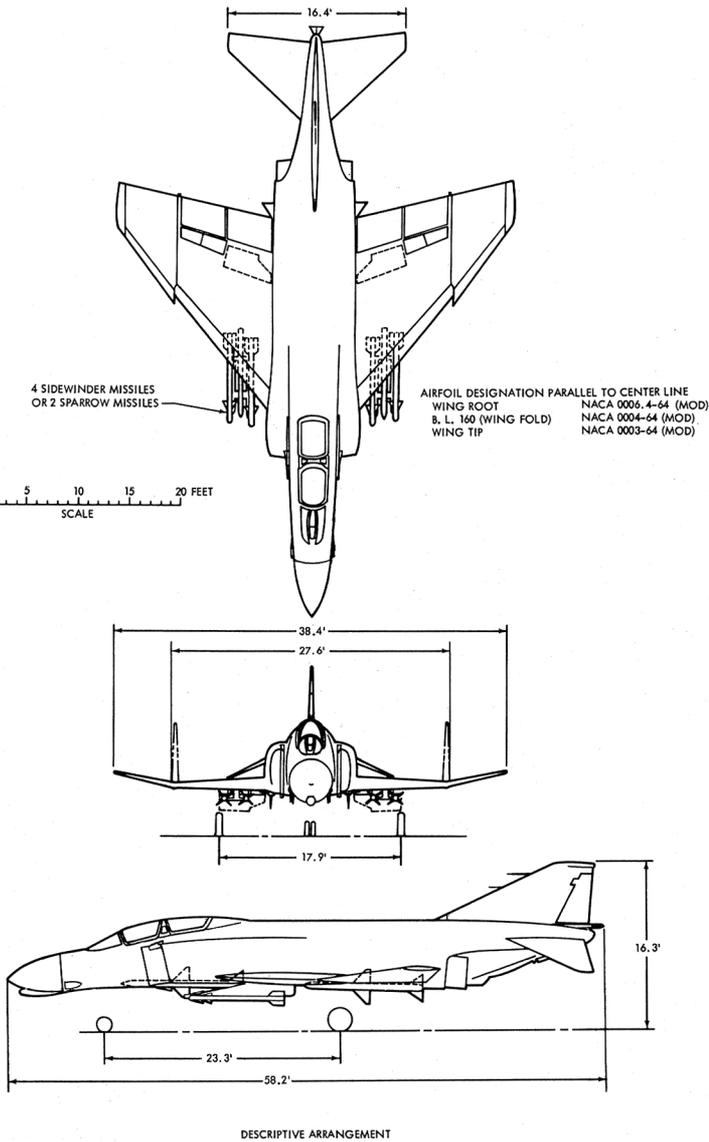


STANDARD AIRCRAFT CHARACTERISTICS

F-4B PHANTOM II

McDONNELL



POWER PLANT		MISSION AND DESCRIPTION		WEIGHTS	
No. and Model (2) J79-GE-8 MANUFACTURER GENERAL ELECTRIC SPECIFICATION G.E. E-763A TYPE AXIAL FLOW TURBOJET AUGMENTATION AFTERBURNER LENGTH WITH A/B 208.45 INCHES (COLD) DIAMETER 38.3 INCHES MAX. (COLD) DRY WEIGHT 3608 LB. TAIL PIPE VARIABLE POSITION		THE F-4B IS A TWO-PLACE, TWIN-JET, GENERAL PURPOSE FIGHTER WHOSE PRIMARY MISSION IS THE DESTRUCTION OF ENEMY AIRCRAFT. THE CAPABILITY TO CARRY AND DELIVER CONVENTIONAL AND SPECIAL WEAPONS ENABLES THE AIRCRAFT TO PERFORM INTERMEDIATE AND LONG RANGE ATTACK MISSIONS. BASIC ARMAMENT IS FOUR AIR-TO-AIR MISSILES CARRIED SEMI-SUBMERGED UNDER THE FUSELAGE PLUS UP TO FOUR WING PYLON MOUNTED AIR-TO-AIR MISSILES. A COMBINATION OF CONVENTIONAL BOMBS, NUCLEAR BOMBS, ROCKET PACKAGES AND FUEL TANKS CAN BE CARRIED ON FIVE STATIONS BENEATH THE WING AND FUSELAGE. THREE EXTERNAL TANKS PLUS A RETRACTABLE PROBE FOR INFLIGHT REFUELING PROVIDES FOR EXTENDED RANGE MISSIONS.		LOADING EMPTY 27897* BASIC 28265 DESIGN 37500 COMBAT 38507 Max. T.O. FIELD 54800** CAT. 54800** Max. Landing FIELD 38000 ARREST 34000 *DERIVED FROM ACTUAL WEIGHTS **FOR EMERGENCY CONDITIONS 56,000 LBS IS ALLOWABLE BUT GREATER THAN NORMAL TIRE AND WHEEL WEAR MAY BE EXPECTED FROM TAKE-OFF AT G.W. ABOVE 54,800 LB.	
RATINGS * STATIC THRUST AT SEA LEVEL-LB RPM MAXIMUM (A/B) 17000 100% 7685 MILITARY 10900 100% 7685 NORMAL 10300 96% 7385 90% NORMAL 9270 94% 7220 75% NORMAL 7720 91.5% 7025 IDLE 410 65.1% 5000		SPECIAL FEATURES OF THE F-4B ARE THE SWEEP WING AND TAIL, AUTOMATICALLY CONTROLLED COMPRESSION-RAMP AIR INLETS, LEADING AND TRAILING-EDGE HIGH-LIFT FLAPS WITH BOUNDARY LAYER CONTROL. LATERAL CONTROL IS ACHIEVED BY MEANS OF SPOILERS IN COMBINATION WITHAILERONS. AN ALL-MOVABLE STABILATOR PROVIDES LONGITUDINAL CONTROL.		FUEL AND OIL No. Tanks GAL. LOCATION 6 1356 FUSELAGE, BLADDER 2 630 WINGS, INTEGRAL 1 600 FUSELAGE, EXT., DROP 2 740 WING, EXT., DROP GRADE JP4 OR JP5 SPECIFICATION MIL-F-5624B-1 OIL INTEGRAL WITH ENGINE 5.15 GAL (USEABLE TANK CAPACITY PER ENGINE) SPECIFICATION MIL-L-7808D	
ORDNANCE FOUR SPARROW III MISSILES ON FUSELAGE Fus. In ^o BD. Out ^o BD. CL Wing Wing		DEVELOPMENT FIRST FLIGHT MAY 1958 SERVICE USE JUNE 1961		ELECTRONICS CADC A/A24G CNI AN/ASQ-19 AFCS AN/ASA-32 NAVIGATIONAL COMPUTER AN/ASN-39 ALTIMETER AN/APN-22 FIRE CONTROL SYSTEM AMCS AERO-1A INCLUDES RADAR AN/APQ-72 RADAR SET GROUP AN/APA-157 IR DETECTING GROUP AN/AAA-4 ALL-ATTITUDE BOMBING SYS. AN/AJB-3A SPACE PROVISIONS FOR INSTALLATION OF DATA LINK* AN/ASW-21 *DATA LINK INSTALLED IN 12 AIRPLANES	
AIR-TO-AIR MISSILES SPARROW III 2 SIDEWINDER 4 SPECIAL WEAPONS MK-28 (EX) 1 MK-43 1 MK-57 1 CONVENTIONAL BOMBS MK-81 6 6 12 MK-82 6 6 12 MK-83 3 4 4 ROCKET PACKAGES AERO 7D (19 2.75" ROCKETS PER PKG.) 3 6 6 LAU 10A (4 5.00" ZUNI ROCKETS PER PACKAGE) 3 6 6 PRACTICE DISPENSER AEPD 8A 1		DIMENSIONS WING AREA 530_Sq. FT. SPAN 38.4 FT. M.A.C. 16.04 FT. SWEEPBACK (25% CHORD) 45° INCIDENCE 1° DIHEDRAL - INNER PANEL 0° OUTER PANEL 12° LENGTH 58.2 FT. HEIGHT 16.3 FT. WHEELBASE 23.3 FT. TREAD 18.2 FT.			

PERFORMANCE SUMMARY

TAKE-OFF LOADING CONDITION	(1) (4)	FIGHTER SPARROWS III	(3) (4)	FIGHTER SPARROW III 600 GAL TK	(5) (2)	FIGHTER(4)SPIII 100 370 GAL TKS.	(7) (9)	FIGHTER SP III + (4)SDW 500 GAL TK	(9) (1)	AREA INTERCEPT SP III 500 GAL TK.
TAKE-OFF WEIGHT	LB.	43,907		48,287		53,999		49,679		48,287
FUEL INTERNAL/EXTERNAL (JP-5)	LB./LB.	13,505/-		13,505/4,080		13,505/9,112		13,505/4,080		13,505/4,080
PAYLOAD	LB.	1,608		1,608		1,608		2,332		1,500
WING LOADING	LB./SQ.LB.	82.8		91.1		101.9		93.7		91.1
STALL SPEED - POWER-OFF /APPR, POWER	KN.	152/133		159.6/139		168.6/147		161.7/141		159.6/139
TAKE-OFF RUN AT S.L. - CALM (A)(B)	FT.	4,025/2,085		5,110/2,600		6,710/3,400		5,465/2,780		5,110/2,600
TAKE-OFF RUN AT S.L. 25 KN. WIND (A)(B)	FT.	3,000/1,510		3,800/1,940		4,850/2,470		4,090/2,090		3,800/1,940
TAKE-OFF TO CLEAR 50 FT. - CALM (A)(B)	FT.	5,060/2,520		6,450/3,150		8,560/4,110		6,880/3,350		6,450/3,150
MAX. M/ALTITUDE/SPEED(A)	M/FT./KN.	993/25,000/597		976/20,000/599		962/20,000/591		961/20,000/590		976/20,000/599
RATE OF CLIMB AT S.L. (A)	FPM.	12,170		10,200		8,400		8,860		10,200
TIME: S.L. TO 30000 FT.(A)(B)	MIN.	3.70/1.15		4.72/1.39		6.15/1.67		6.07/1.59		5.80/2.41
TIME: S.L. TO 40000 FT.(I)(A)(B)	MIN.	7.80/2.10		10.41/2.63		11.25/3.31		11.59/3.05		11.42/3.71
SERVICE CEILING (100 FPM.) (A)	FT.	41,000		38,550		35,550		36,750		38,550
COMBAT RANGE	N.MI.	1,126		1,496		1,803		1,301		1,563
AVERAGE CRUISING SPEED	KN.	505		505		505		499		505
CRUISING ALTITUDE(S)	FT.	37,065/42,060		34,960/41,910		32,900/41,765		34,465/41,055		34,600/41,900
COMBAT RADIUS/MISSION TIME (E)	N.MI./HR.	410/1.71		509/2.47		756/3.09		495/2.10		(d) 613/2.51; 640/2.62
AVERAGE CRUISING SPEED	KN.	505		505		505		499		(n) 505/505
I, F, R, RADIUS/MISSION TIME (E)	N.MI./HR.	771/3.12		1023/4.42		900/4.28		853/3.79		(p) 1023/4.22; 1024/4.4
CAP LOITER TIME (F)/MISSION TIME	HR./HR.	1.03/1.70		1.78/2.45		2.40/3.07		1.33/2.04		-
COMBAT LOADING CONDITION		(2) (4)		(4) (4)		(6) (4)		(8) (4)		(10) CLEAN
COMBAT WEIGHT	LB.	38,505		41,004		43,958		42,376		39,396
ENGINE POWER		MAXIMUM		MILITARY		MAXIMUM		MAXIMUM		MAXIMUM
FUEL	LB.	8,103		10,551		13,505		10,551		10,551
COMBAT SPEED/COMBAT ALTITUDE	KN/FT.	(g) 1,290/40,000		(H) 545/40,000		(g) 1,284/40,000		(g) 1,175/40,000		(g) 1,279/50,000
RATE OF CLIMB/COMBAT ALTITUDE	FPM./FT.	(G) 15,370/40,000		(H) 960/40,000		(g) 13,000/40,000		(g) 7,080/40,000		(g) 7,200/50,000
COMBAT CEILING (500 FPM.) (G)(H)	FT.	56,950/49,950		-/41,400		54,400/47,300		51,100/47,350		57,200/49,750
RATE OF CLIMB AT S.L.	FPM.	40,800		13,150		35,700		34,050		40,550
MAX. SPEED AT S.L.	KN.	734		648		727		701		741
MAX. SPEED/ALTITUDE	KN./FT.	1,279/45,000		601/25,000		1,273/45,000		1,158/45,000		1,302/45,000
LANDING WEIGHT	LB.	30,955		31,212		31,464		31,212		(d) 31,212/30,953
FUEL	LB.	2,161		2,367		2,619		2,367		(d) 2367/2108
STALL SPEED - POWER-OFF/APPR, POWER	KN./KN.	128/111		129/112		129/112		129/112		(d) 129/112; 128/111
DIST. - BRD ROLL/OVER 50 FT. OBS (J)	FT./FT.	2,220/3,200		2,235/3,225		2,250/3,250		2,235/3,225		(d) 2235/3225; 2206
NOTES: (A)	MILITARY RATED THRUST				(F)	C.A.P. RADIUS - 150 NAUTICAL MILES				
(B)	MAXIMUM RATED THRUST				(G)	SUPERSONIC CLIMB SPEED SCHEDULE				
(C)	USING SINGLE ENGINE LOITER DURING LANDING				(H)	SUBSONIC CLIMB SPEED SCHEDULE				
(D)	RESERVE PERIOD INCREASES RANGE APPROX 30 NA.MI.				(I)	40,000 FT OR COMBAT CEILING WHICHEVER IS LOWER				
(E)	MIL-C-3011A MISSION DEFINITION; DESIGN MISSION DEFINITION				(J)	WITH DRAG CHUTE				
(F)	MISSION TIME EXCLUDES WARM-UP, T.O. AND RESERVE TIME									

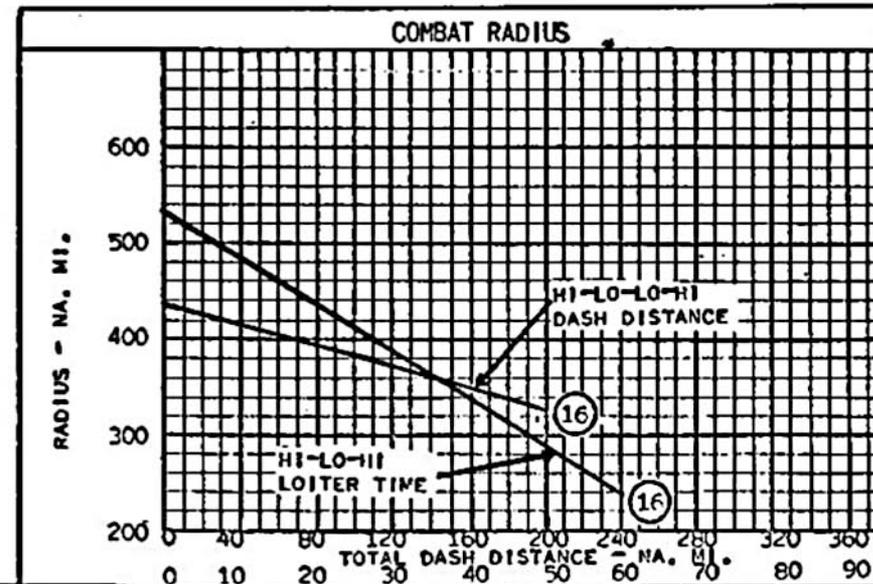
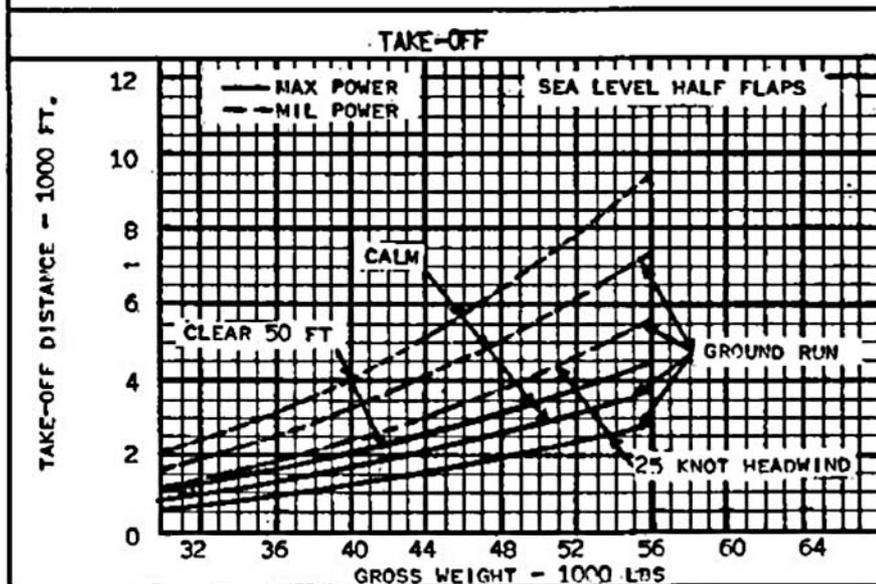
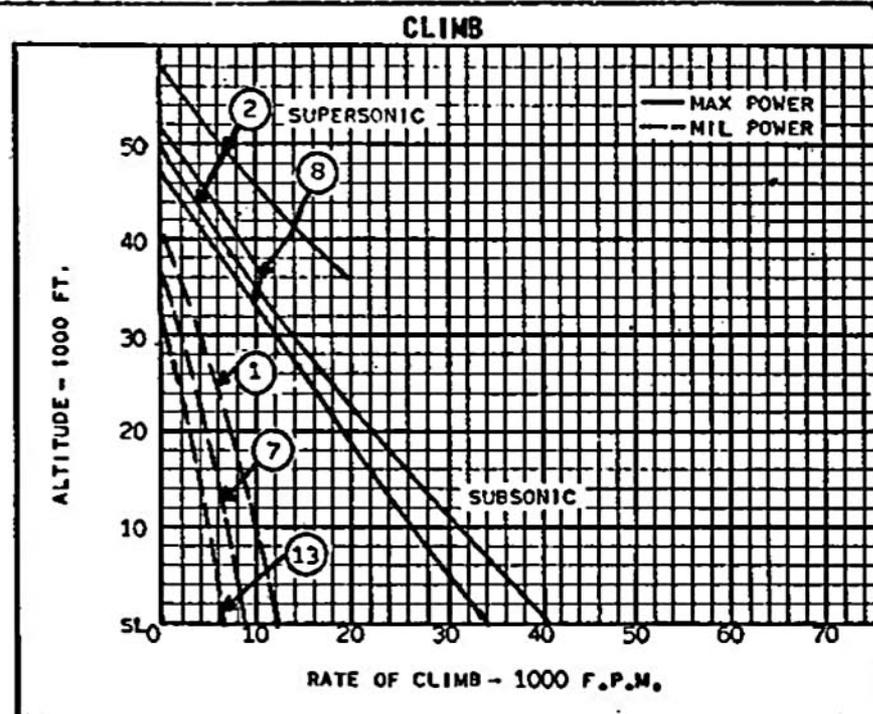
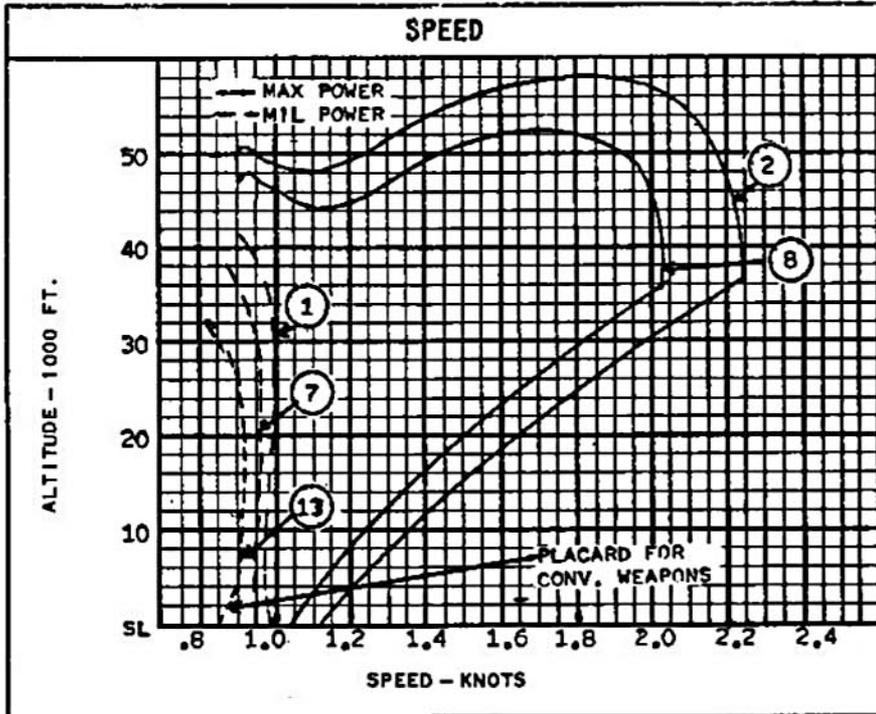
PERFORMANCE SUMMARY					
TAKE-OFF LOADING CONDITION		(1) 15000 ¹ STORE DEL. (1) MK-28 +(2) 370 GAL TRS.	(13) 11-10-1 ATTACK (12) MK-82 +(2) 370 GAL TRS		
TAKE-OFF WEIGHT	LB.	50,102	55,170		
FUEL INTERNAL/EXTERNAL (JP-5)	LB./LB.	13,505/5,032	13,505/5,032		
PAYLOAD	LB.	2,040	6,300		
WING LOADING	LB./SQ. LB.	94.5	104.1		
STALL SPEED - POWER-OFF/APPR. POWER	KN.	162.5/142	170.4/149		
TAKE-OFF RUN AT S.L. - CALM (A)(e)	FT.	5,585/2,845	7,050/3,570		
TAKE-OFF RUN AT S.L. ²⁵ KN. WIND (A)(B)	FT.	4,180/2,140	5,410/2,730		
TAKE-OFF TO CLEAR 50 FT. - CALM (A)(B)	FT.	7,050/3,420	9,030/4,315		
MAX M/ALTITUDE/SPEED (A)	M/FT./KN.	.962/20,000/591	.922/20,000/566		
RATE OF CLIMB AT S.L. (A)	FPM.	9,850	6,800		
TIME: S.L. TO 30000 FT. (A)(B)	MIN.	4.75/1.42	10.68/2.12		
TIME: S.L. TO 40000 FT. (1)(A)(B)	MIN.	10.37/2.72	13.80/4.42		
SERVICE CEILING (100 FPM.) (A)	FT.	37,950	31,650		
COMBAT RANGE	N.MI.	1,480	982		
AVERAGE CRUISING SPEED	KN.	505	489		
CRUISING ALTITUDE(S)	FT.	34,550/41,650	32,125/38,200		
COMBAT RADIUS/MISSION TIME (e)	N.MI./HR.	(D) 564/2.23/69/3.05	481/2.13		
AVERAGE CRUISING SPEED	KN.	(D) 505/505	489		
IFR RADIUS/MISSION TIME (E)	N.MI/HR.	(D) 1000/4.25/255/5.32	917/3.83		
CAP LOITER TIME (F) MISSION TIME	HR/HR	-	-		
COMBAT LOADING CONDITION		(12) (1) MK-23	(14)(2) TER@ B.L. 81.50 + (1) CL MER		
COMBAT WEIGHT	LB.	42,007	40,775		
ENGINE POWER		MAXIMUM	MILITARY		
FUEL	LB.	11,122	11,122		
COMBAT SPEED/COMBAT ALTITUDE	KN./FT.	(G) 958/15,000	(H) 628/3,000		
RATE OF CLIMB/COMBAT ALTITUDE	FPM./FT.	(H) 24,900/15,000	(H) 10,850/3,000		
COMBAT CEILING (500 FPM.) (G)(H)	FT.	54,900/48,100	-/39,950		
RATE OF CLIMB AT S.L.	FPM.	37,500	11,500		
MAX. SPEED AT S.L.	KN.	777	628		
MAX. SPEED/ALTITUDE	KN./FT.	1261/45,000	589/25,000		
LANDING WEIGHT	LB.	(D) 31,260/31,001	32,203		
FUEL	LB.	(D) 2,415/1,156	2,550		
STALL SPEED - POWER-OFF/APPR. POWER	KN./KN.	(D) 129/12:128/112	131/114		
DIST.-GRO ROLL/OVER 50 FT. OBS (J)	FT./FT.	(D) 2240/3239/2225/3205	2,300/3,310		
NOTES:	(A) MILITARY RATED THRUST (B) MAXIMUM RATED THRUST (C) USING SINGLE ENGINE LOITER DURING LANDING RESERVE PERIOD INCREASES RANGE APPROX 30 NA.MI. (D) MIL-C 5011A MISSION DEFINITION/DESIGN MISSION DEFINITION (E) MISSION TIME EXCLUDES WARM-UP, T.O. AND RESERVE TIME	(F) C.A.P. RADIUS - 150 NAUTICAL MILES (G) SUPERSONIC CLIMB SPEED SCHEDULE (H) SUBSONIC CLIMB SPEED SCHEDULE (I) 40,000 FT OR COMBAT CEILING WHICHEVER IS LOWER (J) WITH DPAG WHITE			

SUPPLEMENTAL

Loading	Take-off Gross Weight lbs.	Ordnance		Sea Level Store Delivery 3,000 Ft. Loiter for 15 Min. at Target		Sea Level Store Delivery 100 Ma.Mi. In & 100 Ma.Mi. Out With 5 Min. FWT at Target		Sea Level Store Delivery	
		Sparrows lb.	Other Ordnance lb.	Radius Ma.Mi.	Time Hours	Radius Ma.Mi.	Time Hours	Radius Ma.Mi.	Time Hours
⑮ (1) MK-28 + (2) 370 Gal.Tks.	50,102		2,040	652	2.83	477	2.17	365	2.18
⑯ (12) MK-82 + (2) 370 Gal.Tks.	55,170		6,300	461	2.13	330	1.67	301	1.94
⑰ (4) SP III + (20) MK-82	55,948	4,608	10,500	177	1.03	B 120	.84	170	1.13
⑱ (4) SP III + (10) MK-82 + (2) 370 Gal.Tks.	55,728	1,608	5,250	434	2.03	311	1.60	292	1.88
⑲ (6) MK-82 + (6) AERO 7D + (1) 600 Gal.Tks.	53,611		5,712	334	1.94	241	1.41	264	1.75
⑳ (4) SP III + (24) MK-81	51,928	1,608	6,480	202	1.12	B 123	.86	177	1.19
㉑ (4) SP III + (12) MK-81 + (2) 370 Gal.Tks.	53,718	1,608	3,240	457	2.12	325	1.65	299	1.93
㉒ (6) MK-81 + (1) 600 + (2) 370 Gal.Tks.	54,549		1,620	721	3.14	566	2.58	413	2.58
㉓ (7) MK-83 + (2) 370 Gal.Tks.	55,870		7,000	457	2.11	329	1.66	301	1.93
㉔ (4) SP III + (10) MK-83	55,448	1,608	10,000	183	1.05	B 121	.85	173	1.15

A. Time excludes warm-up, take-off and landing time.

B. Descents were started before optimum cruise altitude was attained.



NOTES

 15,000 FT. STORE DELIVERY
 MIL-C-5011A MISSION DEFINITION

- 1) WARM-UP, TAKE-OFF, ACCELERATE:
SAME AS G.P. FIGHTER.
- 2) CLIMB: SAME AS G.P. FIGHTER.
- 3) CRUISE-OUT: SAME AS G.P. FIGHTER.
- 4) DESCEND TO 15,000 FT.: NO FUEL USED,
NO CREDIT FOR DISTANCE GAINED.
- 5) STORE DELIVERY AND EVASIVE ACTION:
FUEL FOR 2 MIN. AT SPEED MIDWAY BETWEEN
MAXIMUM SPEED WITH MILITARY THRUST
AND MAXIMUM SPEED WITH MAXIMUM
THRUST USING FUEL FLOW AT MAXIMUM
THRUST.
- 6) CLIMB: ON COURSE TO CRUISE ALTITUDE
USING MAXIMUM THRUST.
- 7) CRUISE-PACK: AT ALTITUDES AND SPEEDS
FOR BEST RANGE.
- 8) RESERVE: SAME AS G.P. FIGHTER.

DESIGN MISSION DEFINITION DEVIATES
FROM MIL-C-5011A AS FOLLOWS:

- 5) STORE DELIVERY: NO TIME OR FUEL
ALLOWANCE FOR EVASIVE ACTION.
- 6) CLIMB: ON COURSE TO CRUISE ALTITUDE
USING MILITARY THRUST.
- 8) RESERVE: 20 MIN. AT SPEED FOR MAXIMUM
ENDURANCE AT SEA LEVEL (SINGLE ENGINE
OPERATION) PLUS 5% INITIAL FUEL LOAD.

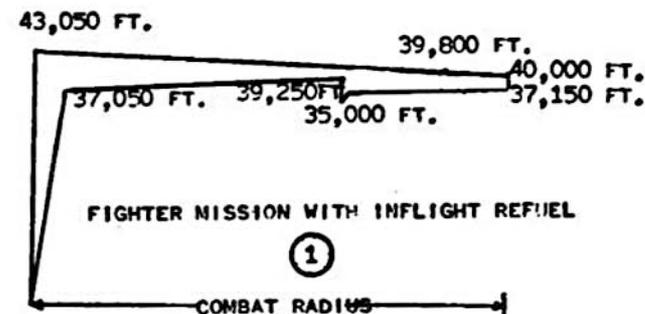
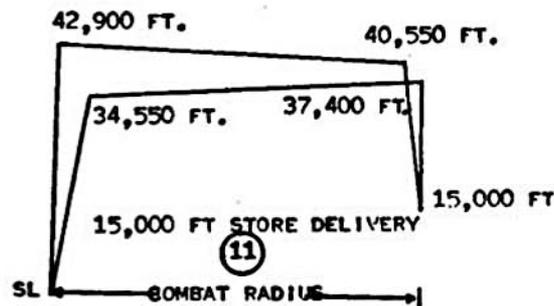
INFLIGHT REFUEL MISSIONS

- 1) WARM-UP, TAKE-OFF, ACCELERATE: 5 MIN. WITH NORMAL
THRUST AT SEA LEVEL. (SEE NOTE)
- 2) CLIMB: ON COURSE TO OPTIMUM CRUISE ALTITUDE
WITH MILITARY THRUST.
- 3) CRUISE-OUT: AT ALTITUDES AND SPEEDS FOR MAXIMUM
RANGE.
- 4) DESCEND: TO 35,000 FT. FOR RENDEZVOUS WITH TANKER.
- 5) LOITER: 15 MIN. RENDEZVOUS ALLOWANCE AT MAXIMUM
ENDURANCE SPEEDS.
- 6) REFUEL: FROM A3D-2 TANKER AT THE FOLLOWING DISTANCES
FROM BASE:

1 G.P. FIGHTER	498 NA.MI.
3 G.P. FIGHTER	646 NA.MI.
5 G.P. FIGHTER	219 NA.MI.
7 G.P. FIGHTER	520 NA.MI.
9 AREA INTERCEPTOR	
MIL-C-5011A MISSION	633 NA.MI.
DESIGN MISSION	607 NA.MI.
11 STORE DELIVERY	
MIL-C-5011A MISSION	547 NA.MI.
DESIGN MISSION	671 NA.MI.
13 HI-LO-HI ATTACK	416 NA.MI.

- 7) CLIMB: ON COURSE TO OPTIMUM CRUISE ALTITUDE WITH
MILITARY THRUST.

THE REMAINING STEPS ARE DEFINED FROM STEP (3) OF THE
PARTICULAR MISSION.



NOTE: ALL TAKE-OFF GROSS WEIGHTS OVER 50,000 LBS. HAVE AN ADDITIONAL 1 MINUTE CRT IN
THE WARM-UP AND TAKE-OFF FUEL ALLOWANCES.

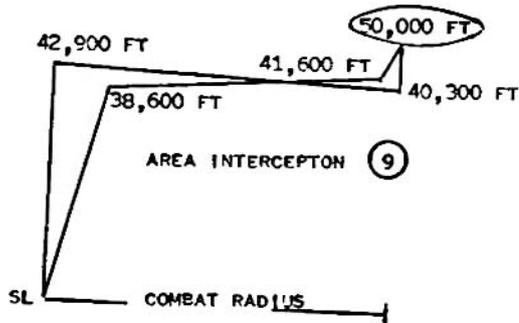
NOTES

AREA INTERCEPTOR
MIL-C-5011A MISSION DEFINITION

- 1) WARM-UP, TAKE-OFF, ACCELERATE: 2 MIN. WITH NORMAL THRUST AT SEA LEVEL.
- 2) CLIMB: ON COURSE TO CRUISE CEILING WITH MILITARY THRUST.
- 3) CRUISE-OUT: AT ALTITUDE AND SPEEDS FOR LONG RANGE AT CRUISE CEILING.
- 4) CLIMB: ON COURSE TO COMBAT CEILING WITH MAXIMUM THRUST.
- 5) COMBAT FUEL ALLOWANCE: 5 MIN. AT M_0 OF 1.5 WITH MAXIMUM THRUST AT 50,000 FT. EXPEND MISSILES.
- 6) CRUISE-BACK: AT ALTITUDES AND SPEEDS FOR MAXIMUM RANGE.
- 7) RESERVE: 20 MIN. AT SPEED FOR MAXIMUM ENDURANCE AT SEA LEVEL (2 ENGINES OPERATING) PLUS 5% OF INITIAL FUEL LOAD.

DESIGN MISSION DEFINITION DEVIATES FROM MIL-C-5011A AS FOLLOWS:

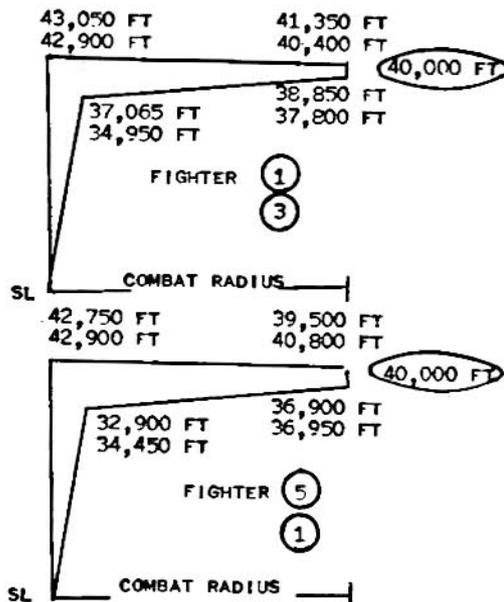
- 2) CLIMB: ON COURSE TO OPTIMUM CRUISE ALTITUDE WITH MILITARY THRUST.
- 3) CRUISE-OUT: AT ALTITUDES AND SPEEDS FOR MAXIMUM RANGE.
- 7) RESERVE: 20 MIN. AT SPEED FOR MAXIMUM ENDURANCE AT SEA LEVEL (SINGLE ENGINE OPERATION) PLUS 5% INITIAL FUEL LOAD.



NOTE: ALL TAKE-OFF GROSS WEIGHTS OVER 50,000 LBS. HAVE AN ADDITIONAL 1 MIN CRT IN THE WARM-UP AND TAKE-OFF FUEL ALLOWANCE.

GENERAL PURPOSE FIGHTER

- 1) WARM-UP, TAKE-OFF, ACCELERATE: 5 MIN. WITH NORMAL THRUST AT SEA LEVEL. (SEE NOTE)
- 2) CLIMB: ON COURSE TO CRUISE ALTITUDE WITH MILITARY THRUST.
- 3) CRUISE-OUT: AT ALTITUDE AND SPEEDS FOR MAXIMUM RANGE.
- 4) COMBAT FUEL ALLOWANCE: ACCELERATE WITH MAXIMUM POWER AT 40,000 FT. FROM CRUISE SPEED TO M_0 OF 1.5 AND REMAIN AT THIS SPEED AND ALTITUDE FOR 2 MIN AT MAXIMUM POWER.
- 5) CRUISE-BACK: AT ALTITUDES AND SPEEDS FOR MAXIMUM RANGE.
- 6) RESERVE: 20 MIN. AT SPEED FOR MAXIMUM ENDURANCE AT SEA LEVEL (2 ENGINES OPERATING) PLUS 5% OF INITIAL FUEL LOAD.

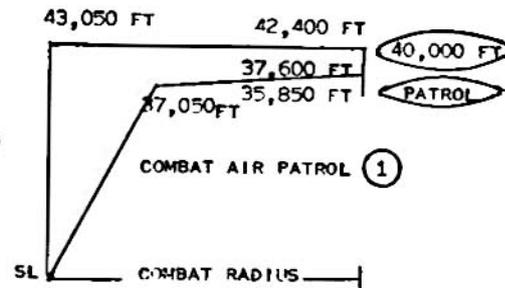


NOTE: ALL TAKE-OFF GROSS WEIGHTS OVER 50,000 LBS. HAVE AN ADDITIONAL 1 MIN CRT IN THE WARM-UP AND TAKE-OFF FUEL ALLOWANCE.

○ LOADING CONDITION COLUMN NUMBER

COMBAT AIR PATROL

- 1) WARM-UP, TAKE-OFF, ACCELERATE: SAME AS G.P. FIGHTER.
- 2) CLIMB: SAME AS G.P. FIGHTER.
- 3) CRUISE-OUT: TO A POINT 150 NA.MI. FROM BASE AT ALTITUDES AND SPEEDS FOR BEST RANGE.
- 4) LOITER: ON STATION AT SPEED AND ALTITUDE FOR MAXIMUM ENDURANCE.
- 5) COMBAT FUEL ALLOWANCE: SAME AS G.P. FIGHTER.
- 6) CRUISE-BACK: 150 NA.MI. TO BASE FOR BEST RANGE.
- 7) RESERVE: SAME AS G.P. FIGHTER.



HI-LO-HI

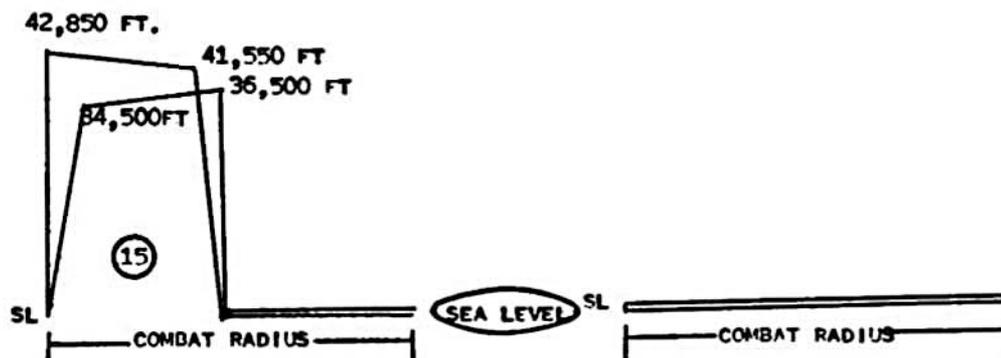
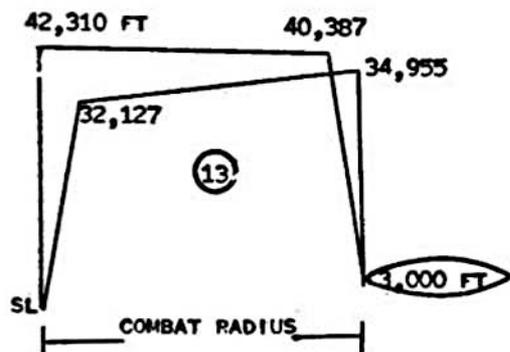
- 1) WARM-UP, TAKE-OFF, ACCELERATE: 5 MIN. NRT PLUS 1 MIN. CRT AT SEA LEVEL
- 2) CLIMB: ON COURSE TO CRUISE ALTITUDE WITH MILITARY THRUST.
- 3) CRUISE-OUT: AT ALTITUDE AND SPEEDS FOR MAXIMUM RANGE.
- 4) DESCEND TO 3,000 FT.: NO FUEL USED, NO CREDIT FOR DISTANCE GAINED.
- 5) COMBAT FUEL ALLOWANCE: 15 MIN. LOITER AT SPEED FOR MAXIMUM ENDURANCE.
- 6) CLIMB: ON COURSE TO CRUISE ALTITUDE USING MILITARY THRUST.
- 7) CRUISE-BACK: AT ALTITUDE AND SPEEDS FOR MAXIMUM RANGE.
- 8) RESERVE: 20 MIN. AT SPEED FOR MAXIMUM ENDURANCE AT SEA LEVEL (2 ENGINES OPERATING) PLUS 5% OF INITIAL FUEL LOAD.

NOTES
HI-LO-LO-HI

- 1) WARM-UP, TAKE-OFF, ACCELERATE: 5 MIN. NRT PLUS 1 MIN. CRT AT SEA LEVEL.
- 2) CLIMB: ON COURSE TO CRUISE ALTITUDE WITH MILITARY THRUST.
- 3) CRUISE-OUT: AT ALTITUDE AND SPEEDS FOR MAXIMUM RANGE.
- 4) DESCEND TO SEA LEVEL: NO FUEL USED, NO CREDIT FOR DISTANCE GAINED.
- 5) DASH: 100 NA, MI. TO TARGET AT SPEED FOR MAXIMUM RANGE.
- 6) COMBAT FUEL ALLOWANCE: 5 MIN. AT MAXIMUM SPEED WITH MILITARY THRUST.
- 7) DASH: 100 NA, MI. AWAY FROM TARGET AT SPEED FOR MAXIMUM RANGE.
- 8) CLIMB: ON COURSE TO CRUISE ALTITUDE USING MILITARY THRUST.
- 9) CRUISE-BACK: AT ALTITUDE AND SPEEDS FOR MAXIMUM RANGE.
- 10) RESERVE: 20 MIN. AT SPEED FOR MAXIMUM ENDURANCE AT SEA LEVEL (2 ENGINES OPERATING) PLUS 5% OF INITIAL FUEL LOAD.

LO-LO-LO

- 1) WARM-UP, TAKE-OFF, ACCELERATE: 5 MIN. NRT PLUS 1 MIN. CRT AT SEA LEVEL.
- 2) CRUISE-OUT: AT SEA LEVEL WITH SPEEDS FOR MAXIMUM RANGE.
- 3) CRUISE-BACK: AT SEA LEVEL WITH SPEEDS FOR MAXIMUM RANGE.
- 4) RESERVE: 20 MIN. AT SPEED FOR MAXIMUM ENDURANCE AT SEA LEVEL (2 ENGINES OPERATING) PLUS 5% OF INITIAL FUEL LOAD.



○ LOADING CONDITION COLUMN NUMBER